

This Page Is Inserted by IFW Operations  
and is not a part of the Official Record

## **BEST AVAILABLE IMAGES**

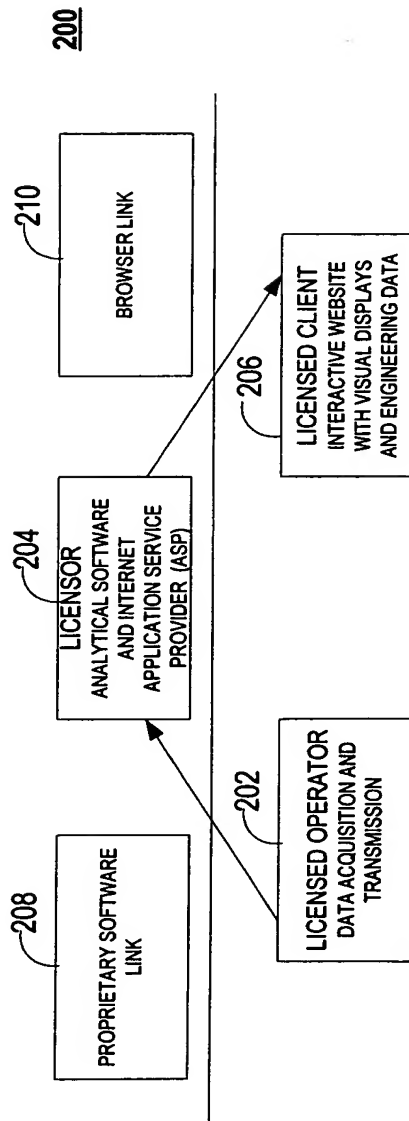
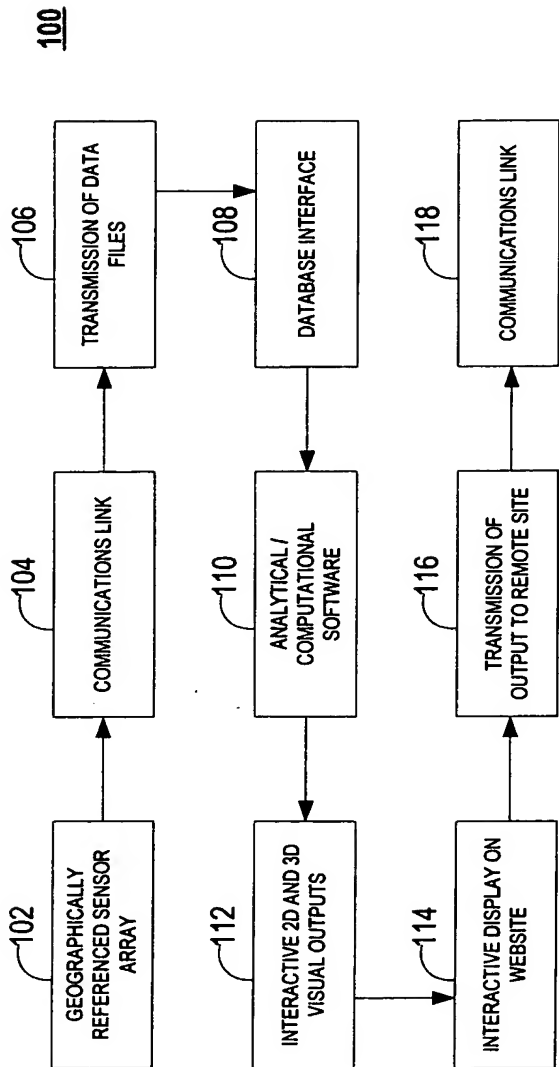
Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

**IMAGES ARE BEST AVAILABLE COPY.**

**As rescanning documents *will not* correct images,  
please do not report the images to the  
Image Problem Mailbox.**



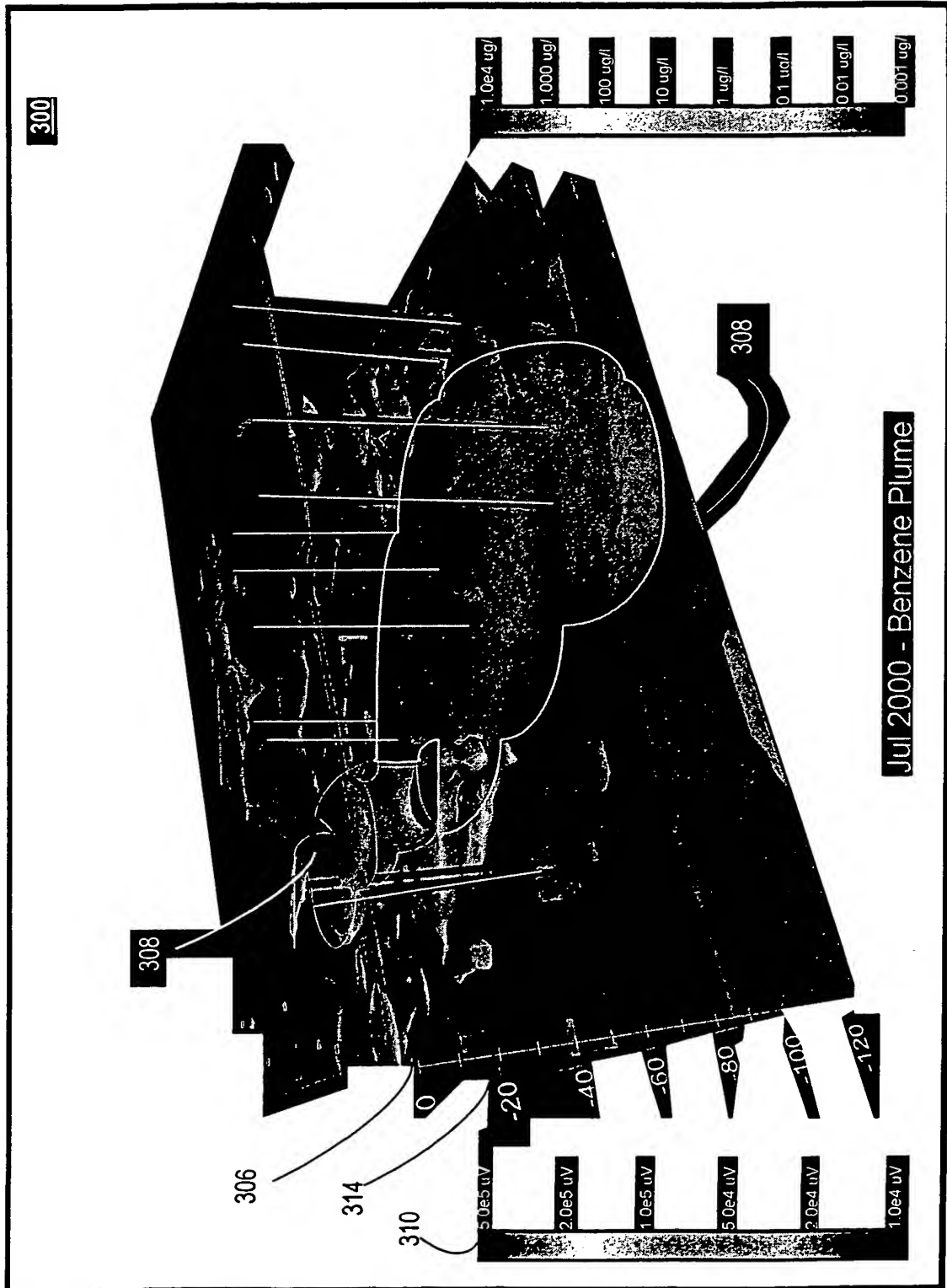
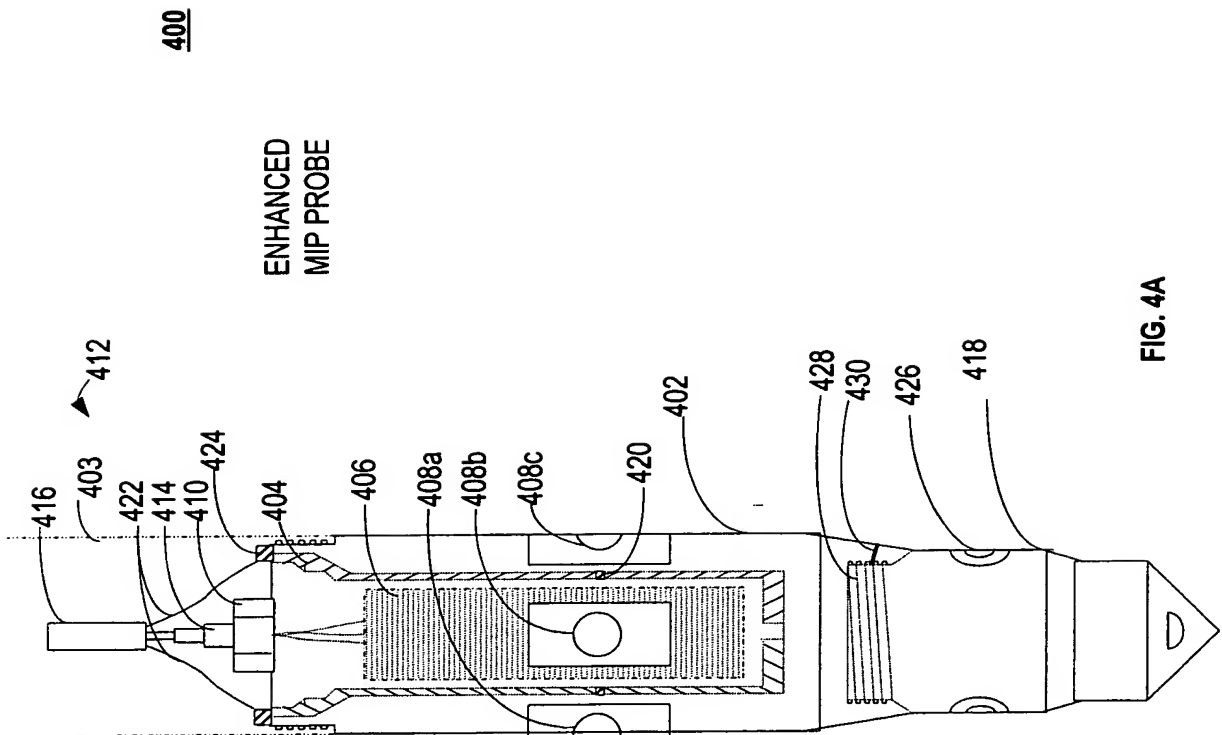


FIG.3

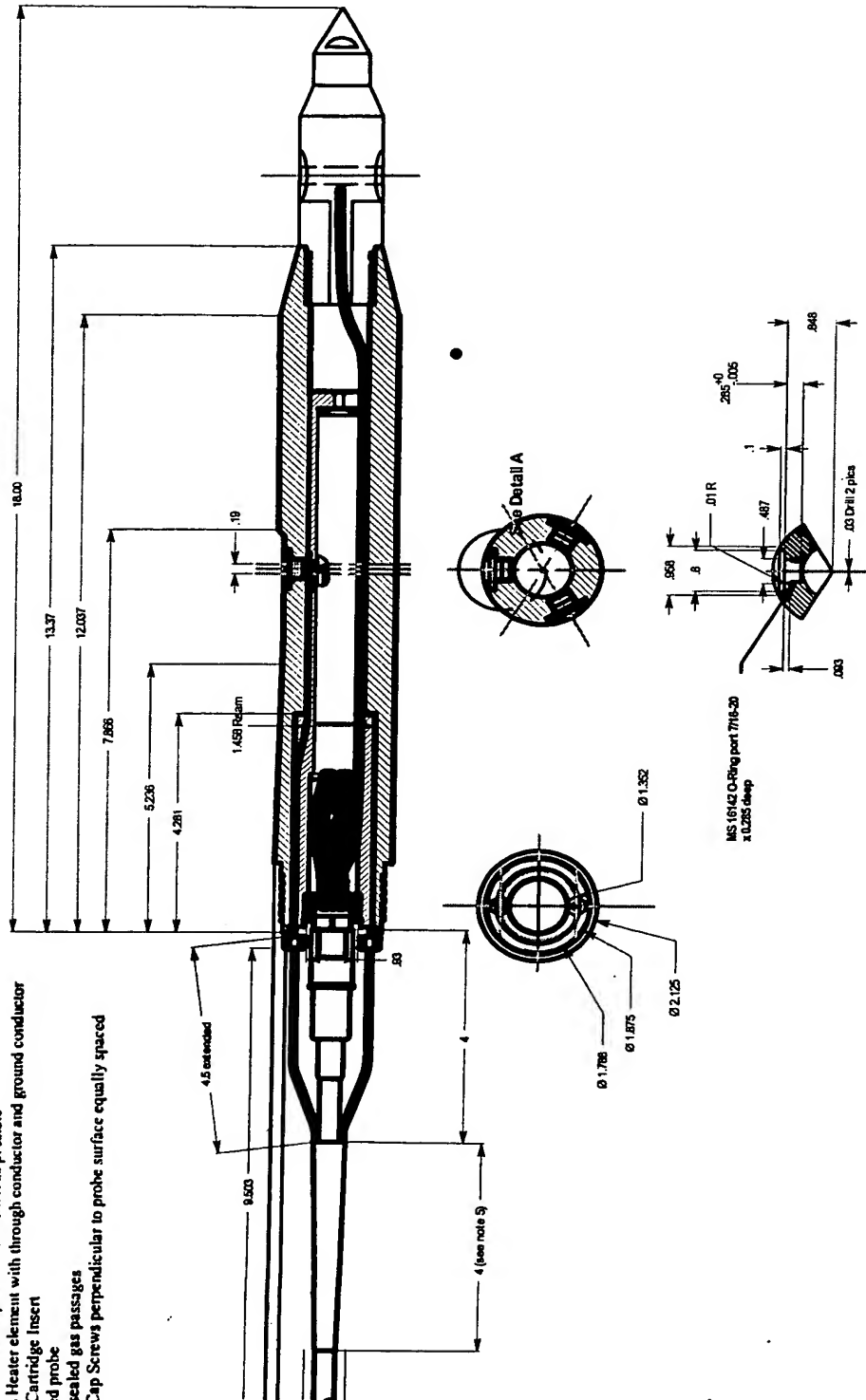


4/20

440

Notes:

1. SEACON LSG-6-BT-1IP bulkhead connector
2. SEACON RMG-6-FS inline connector (waterblocked)
3. Waterblocked breakout splice (Scripps)
4. Length of Nylon tube breakout to be 0.5 in. longer than the length of the RMG connector and the furthest extent of the shortest Nylon tube as datum points
5. Length of breakout splice to be as short as possible
6. Custom Heater element with through conductor and ground conductor
7. Heater Cartridge Insert
8. Modified probe
9. O-ring sealed gas passages
10. 4 # 10 Cap Screws perpendicular to probe surface equally spaced



Detail A

FIG. 4B

5/20

450

Notes:

1. 0.060 x 45 degree chamfer
2. Parker Hannifin Corporation O-ring groove
3. Broach 0.0625 wide groove as shown
4. Material-cold rolled steel
5. Hold these diameters concentric within 0.003 in.
6. Hold all concentric diameters within 0.025 in. unless noted otherwise

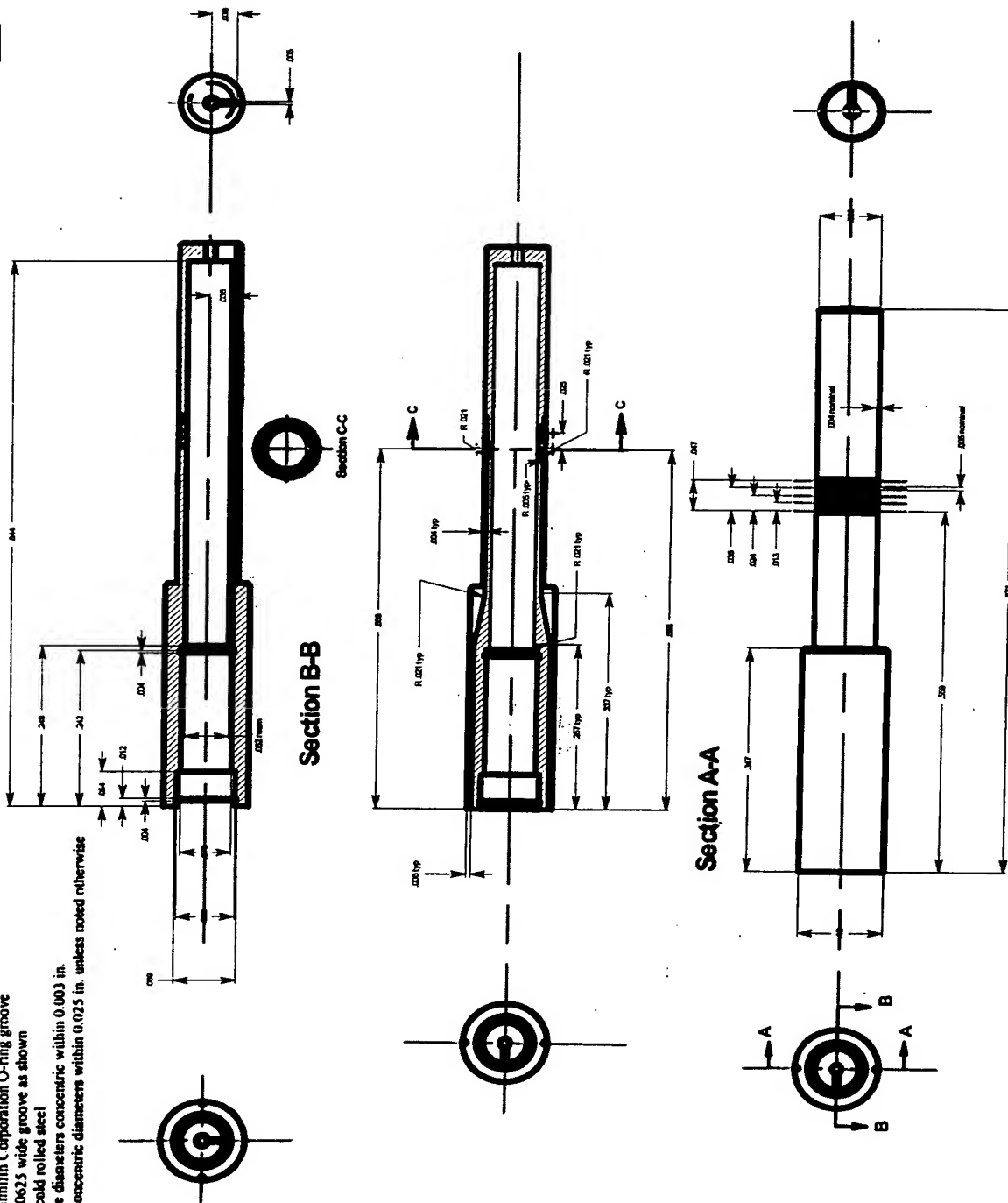
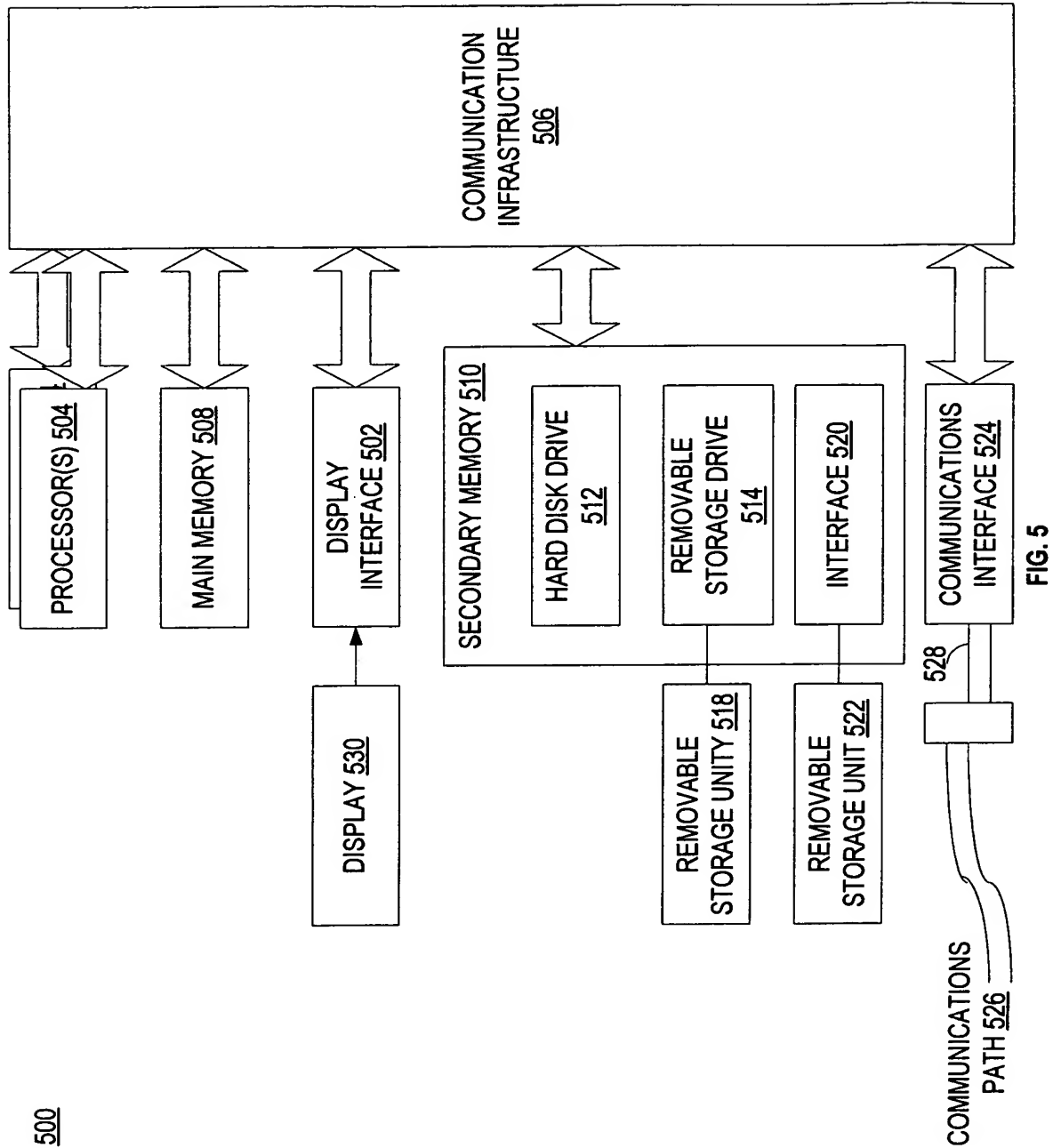


FIG. 4C

**Notes:**

1. Match sample thread form
2. Smalley WH-150 snap ring
3. Material—cold rolled steel
4. Break all edges to 0.030 R min.
5. Hold these diameters concentric within 0.003 in.
6. Hold all concentric diameters within 0.025 in. unless noted otherwise







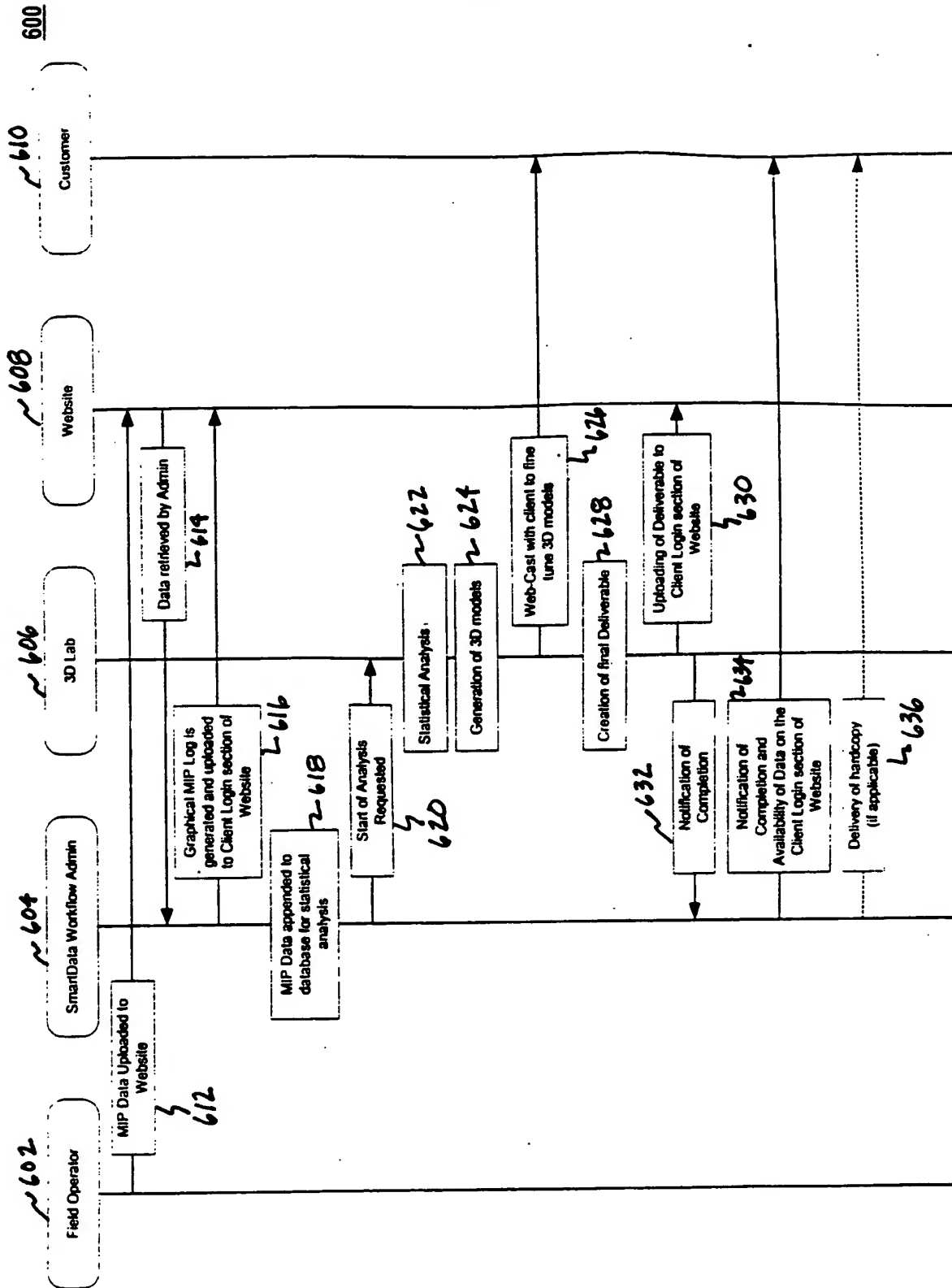


FIG. 6

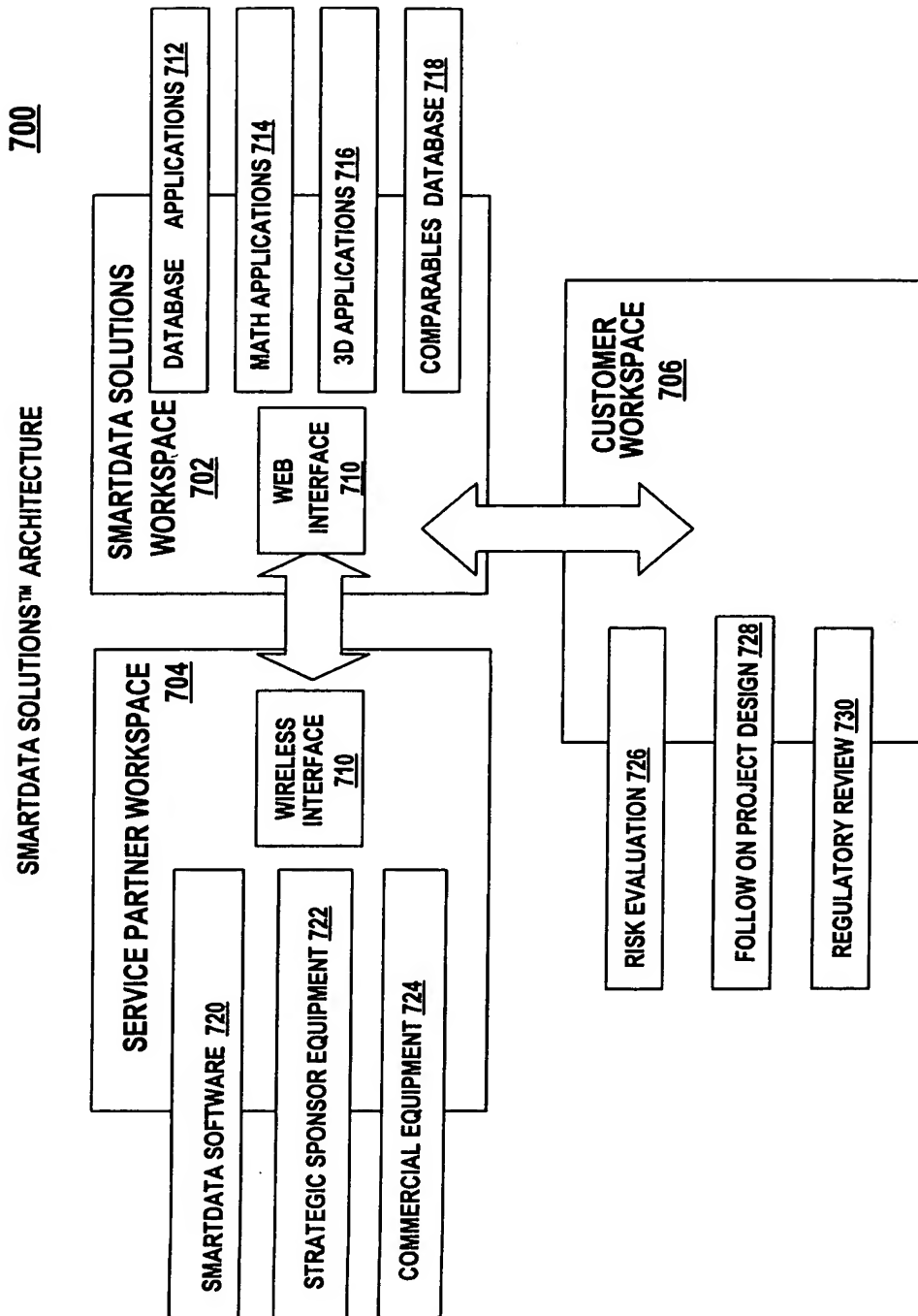


FIG. 7

800

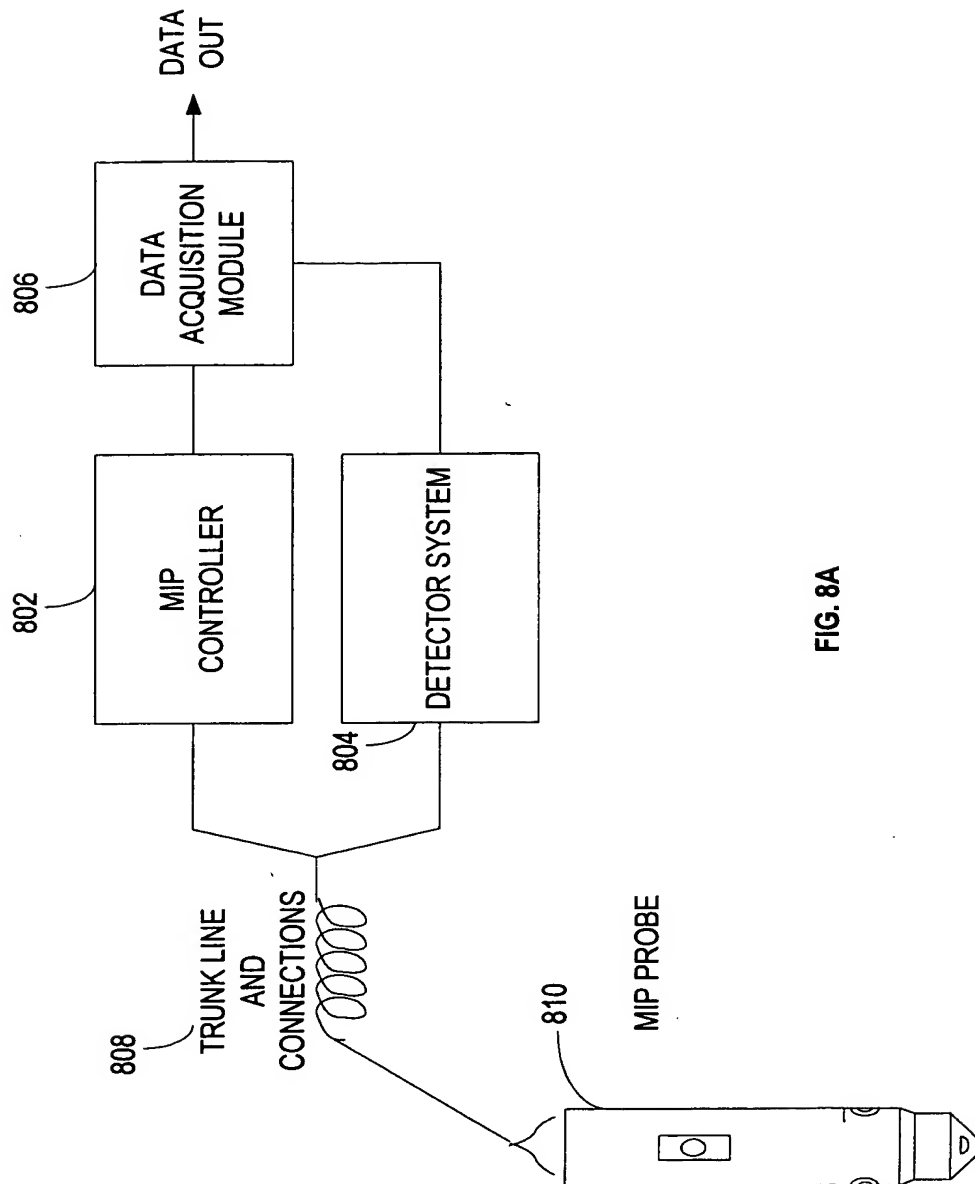
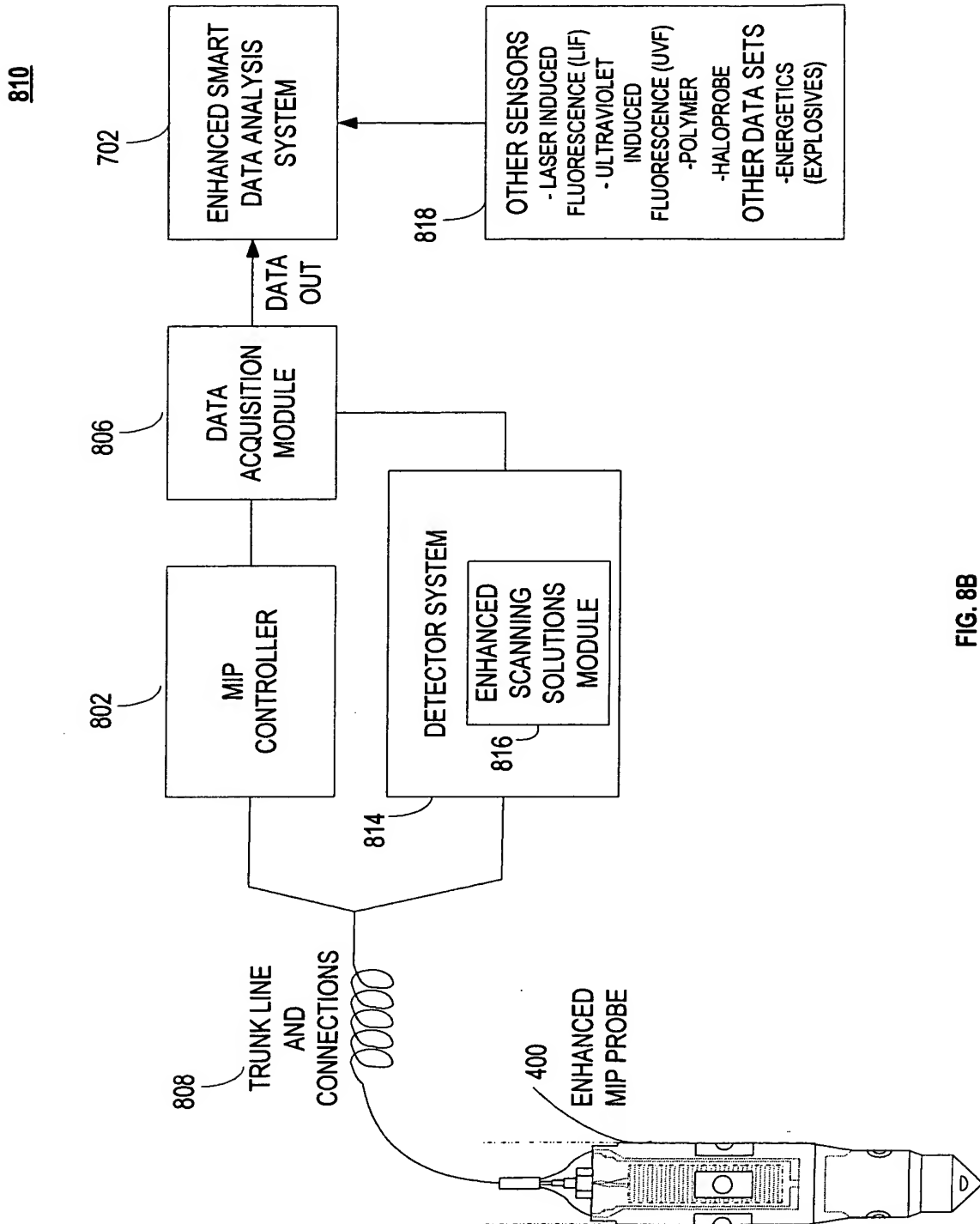
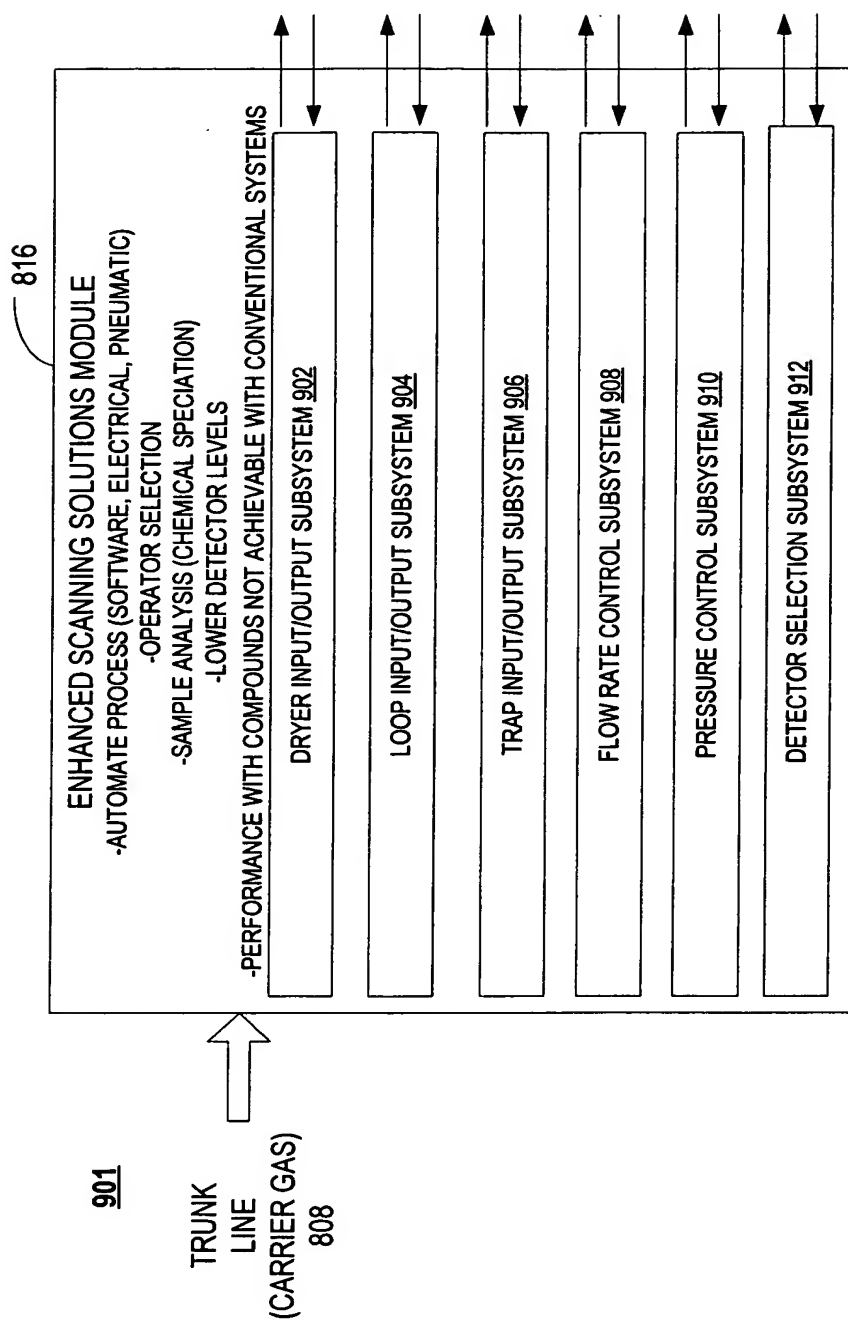
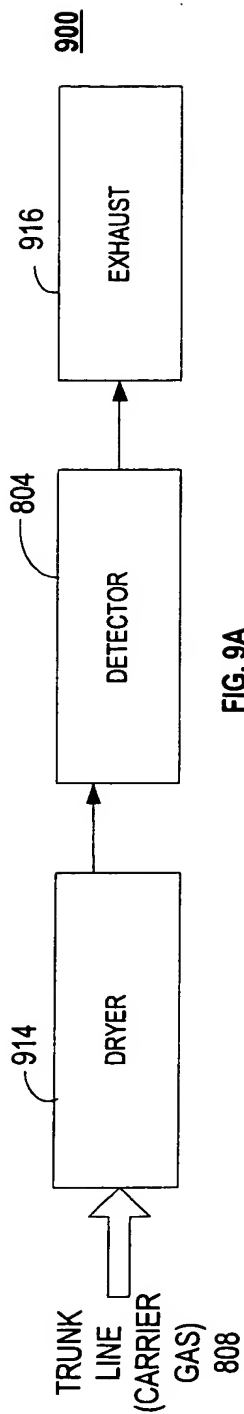


FIG. 8A

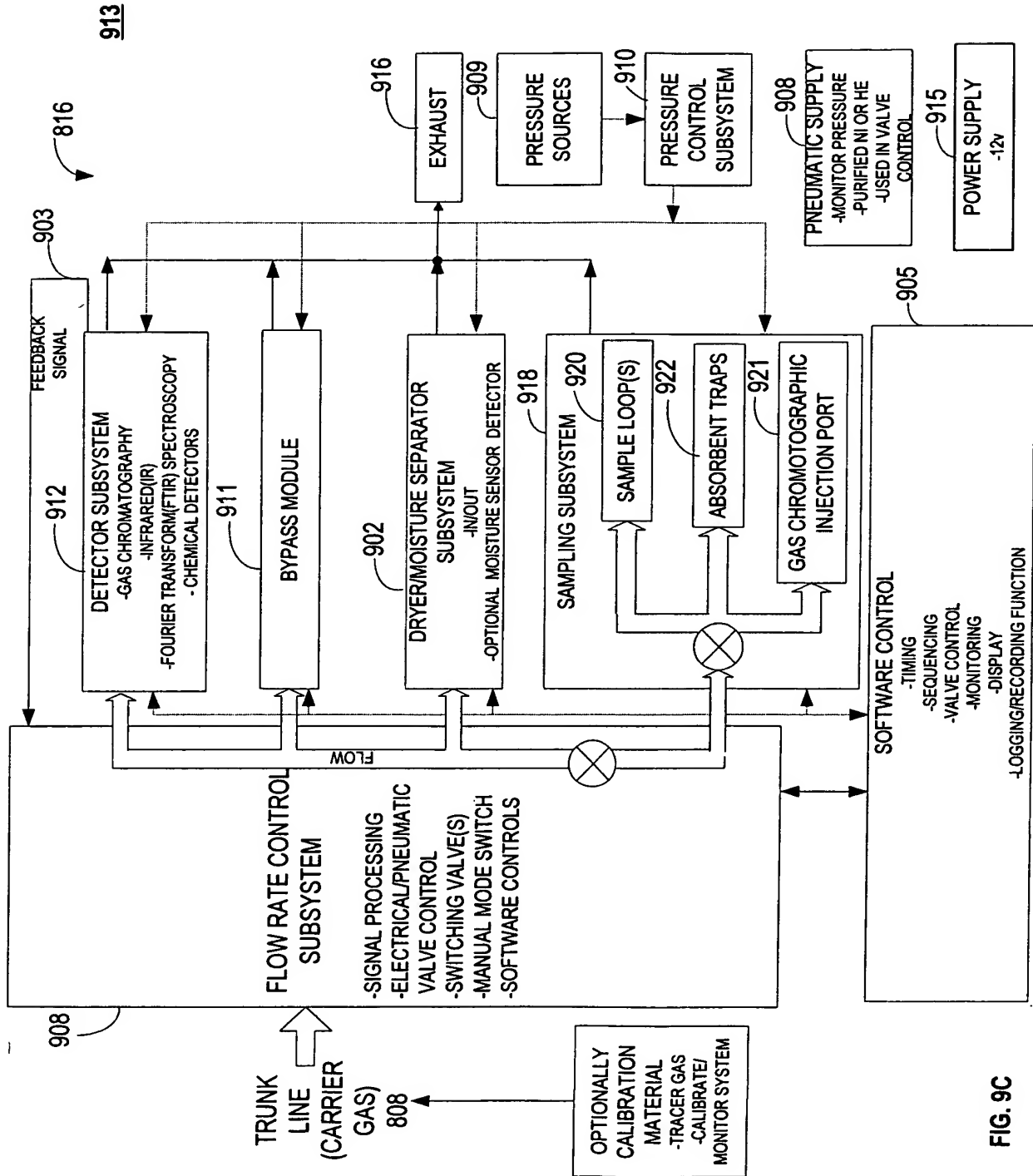
11/20



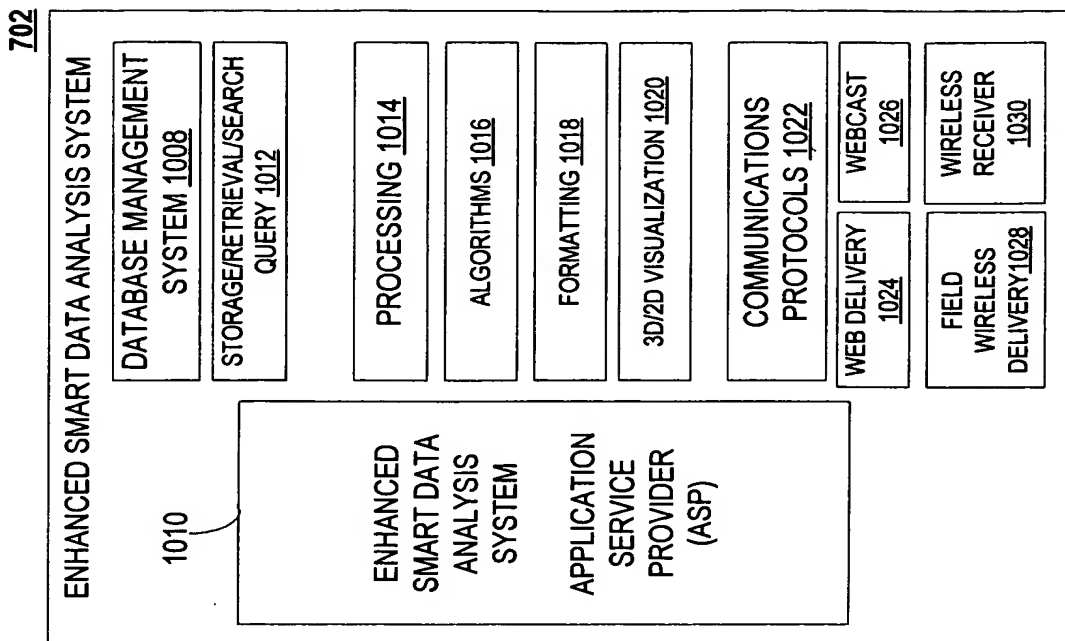
12/20



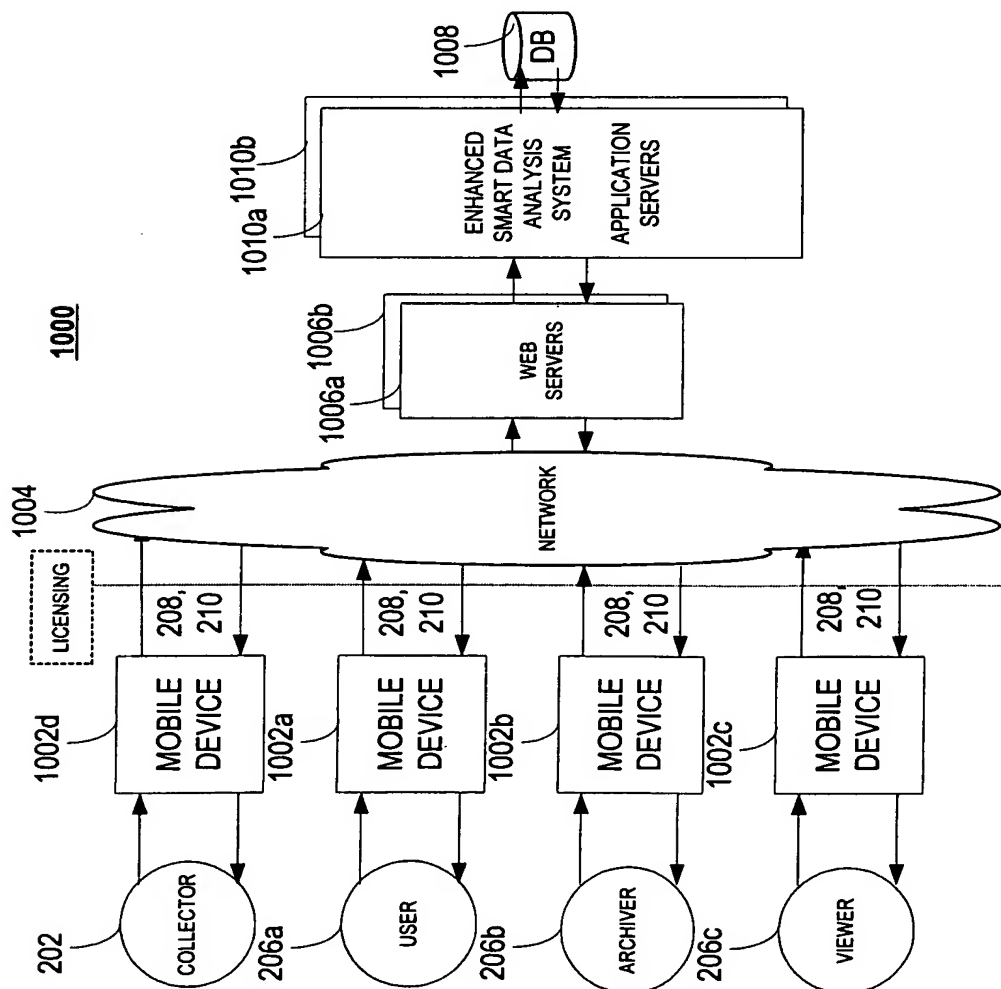
13/20



**FIG. 9C**



**FIG. 10B**



**FIG. 10A**

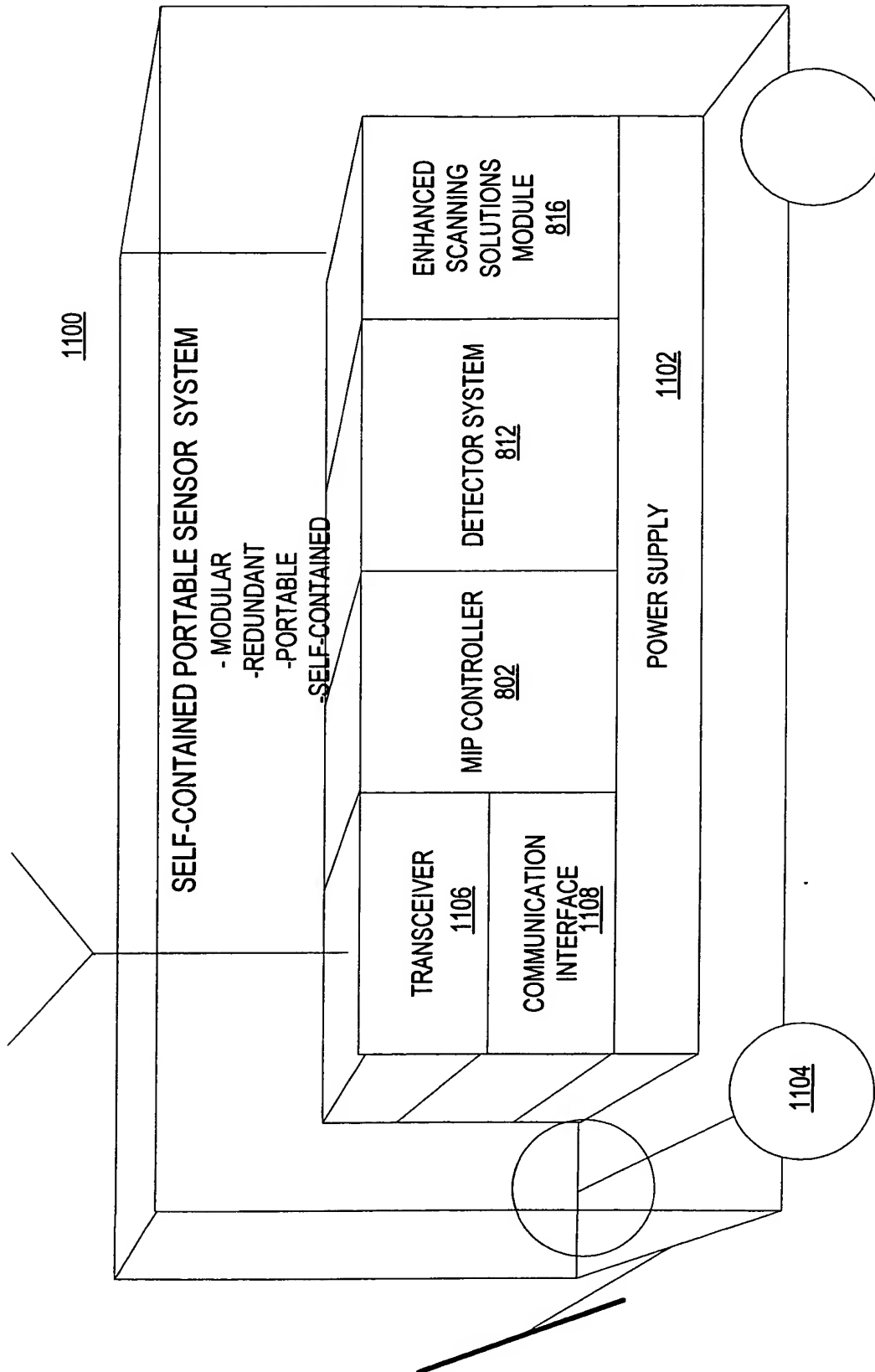
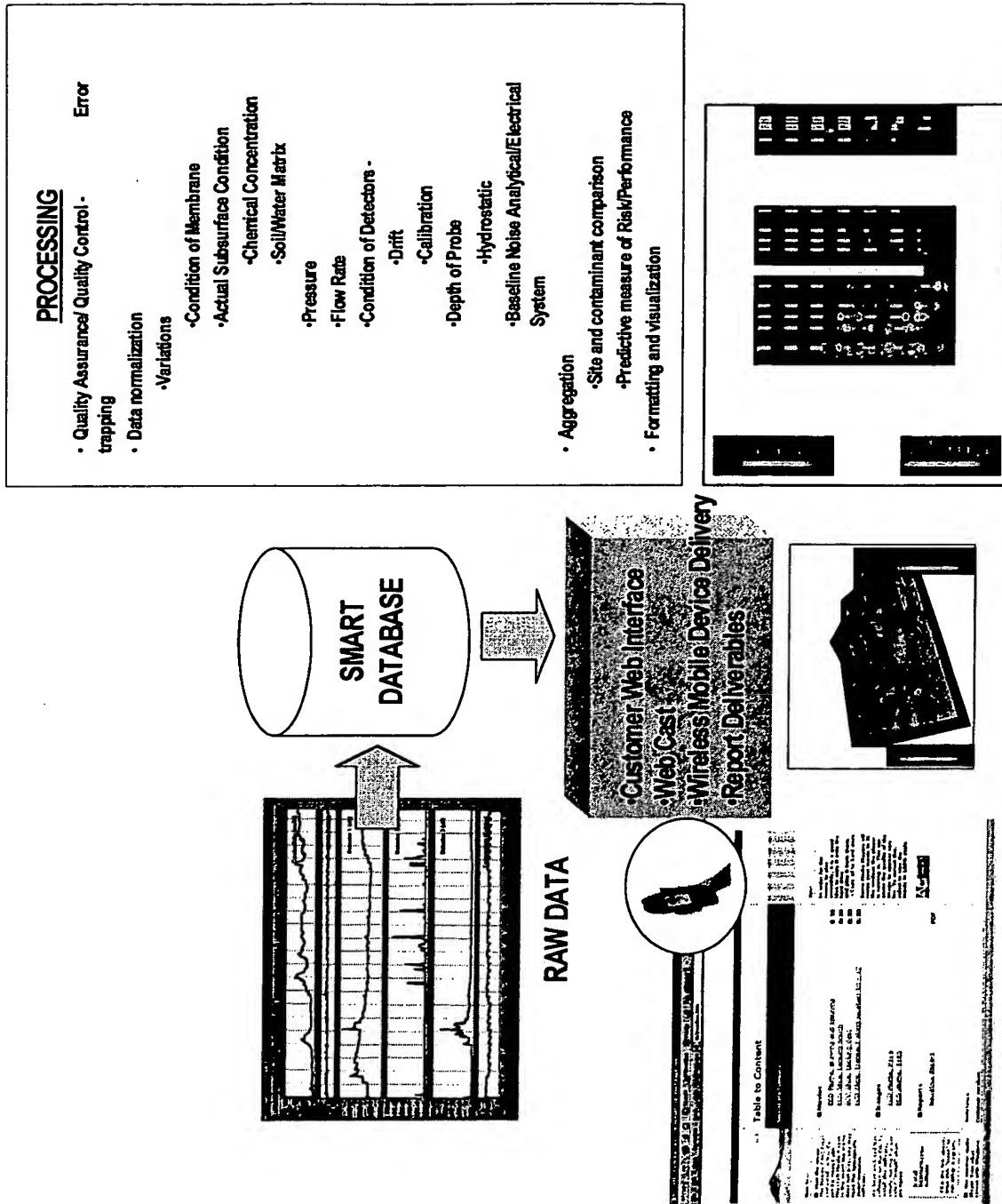
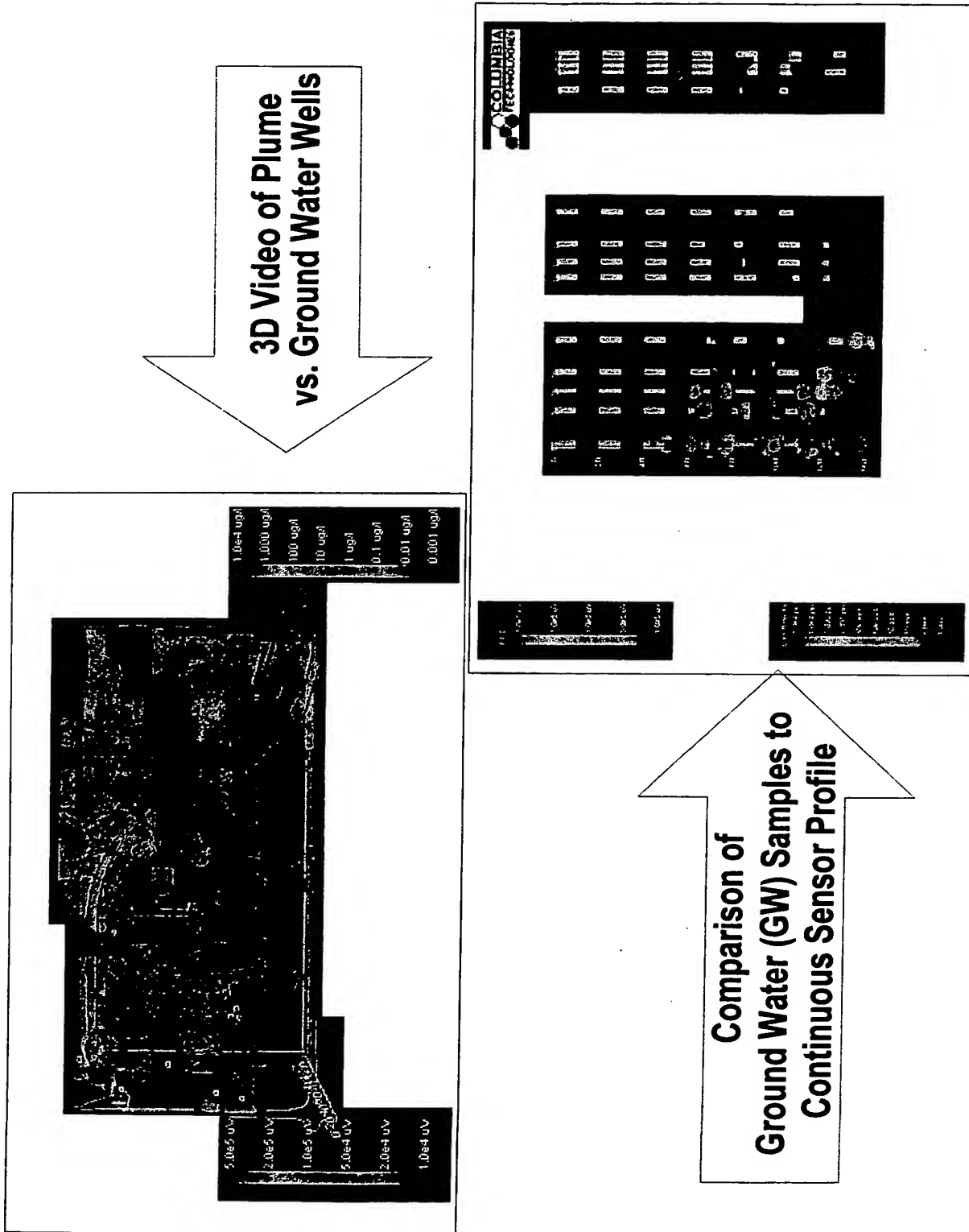


FIG. 11



16/20





## DemoCorp

### Demo Corp



SmartData Solutions™

#### Featured Projects

SmartData Solutions was used to delineate a source area under a manufacturing building. The resulting 3D images helped to focus remedial efforts, thereby saving time and cost. Earth Tech's client remarked, "This was the best data he had ever seen!" Dave Rosecrance of Oak Ridge, Tennessee was asked by the TDEC to present the results at their Haz Waste conference in Gatlinburg, Tennessee in May 2002.

#### Welcome back John Smith

##### Your Current Projects

PETROLEUM TERMINAL

MANUFACTURING FACILITY

Met John Smith [Click here](#)

##### Other Demo Corp Projects

Brownfield Site

Irving Lambert - San Francisco

Dry Cleaner

Anna Cohen - Tampa

Gas Station

Vernon Wilkes - Baltimore

Vapor Intrusion Site

Sam Fisher - Dallas

#### Assistance

##### Customer services

We strive to provide all our customers with the best service possible. If you are experiencing a problem, please do not hesitate to call our customer service department toll-free on 1-888-344-2704

[Contact](#) [Legal](#) [Privacy](#)

FIG. 12C

19/20

DemoCorp

## Your Projects

### Manufacturing Facility



SmartData Solutions™

#### Site Information

Manufacturing Facility  
 Savannah, GA  
 Project Dates

Started: 8/12/2002

Completed: 8/21/2002  
 Status

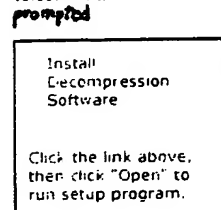
Completed

#### Movie Information

##### ■ Play the movie

The Movies .AVI files contained on this CD can be viewed with Microsoft Media Player. In the event the movie does not play, you may need the appropriate decompression software.

We have enclosed this software on the CD. To install this software, simply run the file and select "install" when prompted.



##### ■ Use another Media Player then what comes with Windows

As an alternative to Media Player, we have included a viewer called Camtasia Player that can be installed free of charge. This is in our view a very good product and should be used in case Media Player fails to play the

#### ■ Completed Deliverables

As your order is completed, each item will be added to this screen. Your sitemap is still available by clicking on the "Sitemap" heading below.

You can get this content delivered to you on a CDROM, please contact your sales representative or the SmartData Solutions™ Team for assistance.

#### ■ Sitemap

##### ■ Images

ECD 1+E6, Plan View (Full site)	71 kb
ECD 1+E6, Plan View	71 kb
ECD 5+E6, Plan View	66 kb
ECD 5+E5, Transect	71 kb
ECD Slice, Lab Data	81 kb

##### ■ Movies

Plan View, 360 Fly-around (Lab Data)	11 mb
Plan View, 360 Fly-around (Full site)	41 mb

##### ■ Presentations

SmartData Solutions™ Overview	2 mb
-------------------------------	------

## Assistance

#### Customer services

We strive to provide all our customers with the best service possible. If you are experiencing a problem, please do not hesitate to call our customer service department toll-free on 1-888-344-2704

#### Webcast

View



#### MIP Logs

CPT01CP2  
 PGCP101  
 PGCP102  
 PGCP103  
 PGCP104  
 PGCP105  
 PGCP106  
 PGCP107  
 PGCP108  
 PGCP109  
 PGCP110  
 PGCP111  
 PGCP112  
 PGCP113  
 PGCP114  
 PGCP115  
 PGCP116  
 PGCP117  
 PGCP118  
 PGCP119  
 PGCP120  
 PGCP121  
 PGCP122  
 PGCP123  
 PGCP124  
 PGCP125  
 PGCP126  
 PGCP127  
 PGCP129

#### Resource

FIG. 12D

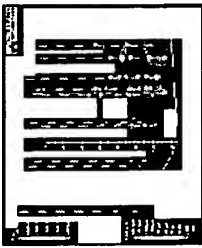
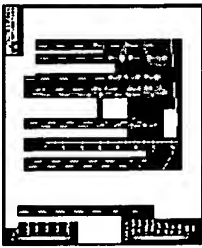
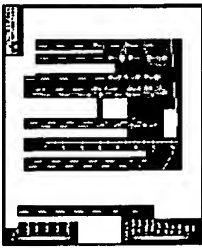
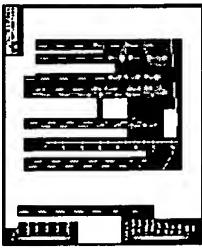
The Images below were selected during the LIVE Webcast. Each Image can be selected as the basis for a movie and to be included in a report. Refer to the check boxes to the right of the image for all the options available for that image.

---

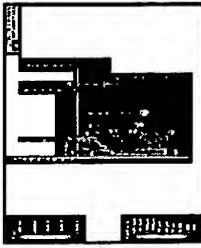
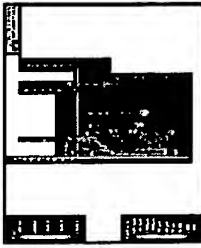
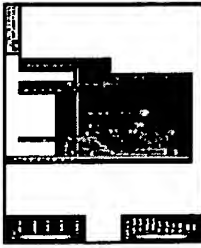
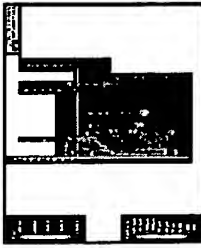
☒ Previous Order Exist  
 A previous order exists for this webcast. You can add to this order by selecting more Deliverables and click "Update Order". To remove items from the existing order, undock the items and click "Update Order". Previously ordered items are listed in Red for clarity.

---

☒ Oblique Views

	SOIL	[not shown]	<input type="checkbox"/> Include in Report
	PID	[not shown]	<input checked="" type="checkbox"/> Electronic Image
	FID	[not shown]	<input type="checkbox"/> Create Basic Movie
	ECD	1.0e+006 uV	
View: Looking North (N)			
Comment: lab			
Click to enlarge			

	SOIL	[not shown]	<input type="checkbox"/> Include in Report
	PID	[not shown]	<input type="checkbox"/> Electronic Image
	FID	[not shown]	<input type="checkbox"/> Create Basic Movie
	ECD	5.0e+005 uV	
View: Looking West (W)			
Comment: lab			
Click to enlarge			

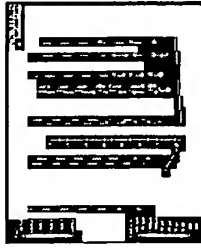
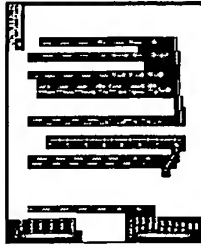
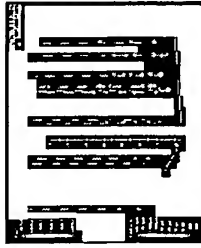
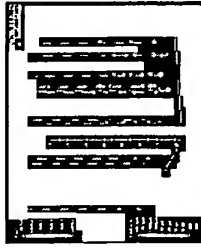
	SOIL	[not shown]	<input type="checkbox"/> Include in Report
	PID	[not shown]	<input checked="" type="checkbox"/> Electronic Image
	FID	[not shown]	<input type="checkbox"/> Create Basic Movie
	ECD	5.0e+006 uV	
View: Looking North (N)			
Comment: lab			
Click to enlarge			

FIG. 12E